

Classwork 2/4/10

- ① Find the equation of the line passing through the points $(3, 9)$ and $(-4, 5)$ $y = m(x - x_1) + y_1$

$$\frac{9-5}{3-(-4)} = \frac{4}{7} \quad \text{or} \quad \frac{5-9}{-4-3} = \frac{-4}{-7} = \frac{4}{7} \approx 0.57$$

$$y = 0.57(x - 3) + 9 \quad \text{or} \quad y = 0.57(x + 4) + 5$$

- ② The following equation is in slope-intercept form, identify the slope and y-intercept. $y = 5 - 2x$

$$y = m x + b$$

\downarrow \downarrow
 Slope y-int

Slope = -2
y-int = 5

Statistics for Some States

State	Estimated population (millions)	Number of members in House of Representatives
Alabama	4.4	7
Indiana	5.9	10
Michigan	9.9	16
Mississippi	2.8	5
North Carolina	7.7	12
Oklahoma	3.4	6
Oregon	3.3	5
Tennessee	5.5	9
Utah	2.1	3
West Virginia	1.8	3

5.2

#5

Slope \approx

1.8

1.67

1.21

1.5

1.5

1.5

33

→ 61, 42, 45, 49, 49, 68

Graph the data, find an equation through two representative points.

California has 33 million people, how many representatives will they have?

HW

5.3

#9 a - g)

Turn in classwork

- W/up

- Prob we just did

Turn in your packet and your homework from Tuesday